

**AMENDMENTS TO THE CLAIMS**

1. (Previously presented) A plasma exchange waste liquid purification and circulation dialysis apparatus that is used in plasma exchange therapy wherein plasma exchange waste liquid separated in an apparatus for plasma separation in the plasma exchange and purified is circulated as a dialysis solution to dialyze patient's blood to remove harmful substances contained in the plasma.

2. (Original) The apparatus of Claim 1, which is used in a simple plasma exchange therapy.

3. (Original) The apparatus of Claim 1, which is used in a double-filtration plasma exchange therapy.

4. (Original) The apparatus of Claim 1, comprising a purifier and a dialyzer as a constituent element of the apparatus.

5. (Original) The apparatus of Claim 4 wherein an apparatus for plasma separation that has been used in the plasma exchange functions also as the dialyzer.

6. (Original) The apparatus of Claim 4 or 5 wherein the purifier is composed of an adsorption separator.

7. (Canceled)
8. (Canceled)
9. (Previously presented) A plasma exchange apparatus incorporating the plasma exchange waste liquid purification and circulation dialysis apparatus according to claim 1.
10. (Canceled)
11. (Previously presented) An artificial liver equipped with the apparatus according to claim 1.
12. (New) A dialysis method comprising dialyzing a patient's blood with the apparatus of claim 1.
13. (New) A dialysis method comprising dialyzing a patient's blood with the apparatus of claim 6.
14. (New) A dialysis method comprising:
  - (a) introducing a patient's blood into a plasma exchange waste liquid purification and circulation dialysis apparatus that is used in plasma exchange therapy;  
wherein

plasma exchange waste liquid separated in an apparatus for plasma separation in the plasma exchange is purified and circulated as a dialysis solution to dialyze patient's blood to remove harmful substances contained in the plasma.

15. (New) A dialysis method comprising:

- (b) introducing a patient's blood into an apparatus for plasma separation that separates plasma from plasma exchange waste liquid;
- (c) separating the plasma exchange waste liquid from the plasma;
- (d) purifying the separated plasma; and
- (e) circulating the separated and purified plasma as a dialysis solution.

16. (New) The dialysis method of claim 15, wherein fresh frozen plasma is perfused into the patient at the same time and rate as patient's blood is introduced into the apparatus for plasma separation.

17. (New) The dialysis method of claim 15, wherein the apparatus for plasma separation also functions as a dialyzer.

18. (New) The dialysis method of claim 15, wherein the separated plasma is purified at a purifier comprising an adsorption separator.

19. (New) The dialysis method of claim 15, wherein the separated plasma functions as a reservoir of the dialysis solution.